

R. L. Pippin and Stanley Lamb are checking the performance of a Westinghouse heat pump in heating and air conditioning.

## Heating, Air Conditioning Serves Many Industries

The Heating and Air Conditioning Department was one of the original departments of Southern Technical Institute. The present staff is composed of two members. Mr. L. H. Taylor was with the school when it opened in March 1958. Mr. T. M. Sullivan joined the staff in 1954.



L. H. TAYLOR  
Head of Department

The field of application of air conditioning is quite varied. The heating and cooling of residences, stores, and public buildings is quite well known to the general public. Not so well known are the commercial and industrial applications. Air conditioning has become necessary in many cases for printing, precision manufacturing, textile processing, manufacture of pharmaceuticals, in testing laboratories, and in the distribution of foods. Recent development has been the use of air conditioning for telephone dial systems, business machines, and computers.

The Heating and Air Condition-

ing Technician must have a broad background as his work is closely related to many other fields. For instance, he must know a great deal about building construction as his heating and cooling systems become an integral part of the building. He must have a good working knowledge of electricity as most equipment is driven by electric motors and much of the equipment uses electric controls. In addition he needs to know about electronic and pneumatic controls. Perhaps one of the most important things he needs to know is how to deal with people in the closely related fields.



T. M. SULLIVAN  
Joined Staff 1954

Heating and Air Conditioning graduates have gone into many different types of jobs. Some of these are engineering aides, draftsmen, designers of small systems, supervisors and inspectors of installation jobs, sales representatives and equipment-testing laboratory technicians. Also some graduates have opened their own businesses as contractors.

## Industrial Prepares Grads For Managerial Positions

The Industrial Technology Department of Southern Tech has a varied background, and continues to make frequent changes in its curriculum. It started as Safety Technology in the first catalog of Southern Tech, but changed the next year to Industrial Management Technology. A short time later it was changed again — this time to Industrial Technology.

The Industrial Technology Department has had several department heads. Mr. Frank Johnson, who was also the coach, left in 1951 to become Employment Manager at the Georgia Division of Lockheed. Mr. Nattress, his successor, left in 1953 to become the Chief Industrial Engineer of the Norwood Manufacturing Company, a subsidiary of Sears. Mr. Hoyt L. McClure has been the de-

partment head since 1953. In 1956 several industries approached Southern Tech with their problem of needing to promote first line supervisors. Many of these foremen had the potential of being upgraded, but they did not have the necessary education to go with the higher position. The final solution to their problem was the Management Option which was added to the existing Industrial Technology course.

The Iota Tau Club, the student organization of the Industrial Department, has an excellent background of accomplishment. Iota Tau has sponsored the Annual Christmas Dance since 1954. Each quarter several social meetings and at least one meeting devoted to information in their field of

Continued on Page 3

## Gas Fuel Exhibit To Be Shown In Chicago National Trade Show; Students' Paper Being Published

### Research Project Wins Recognition

Three students in the Gas Fuel Technology Department have prepared a research article which will be published in a forthcoming issue of Butane-Propane News.

This research, work on which covered about three months, was sponsored by the department and supervised by Department Head W. L. Thomas.

Students working on the paper, entitled "A Thermodynamic Principle and Your Pocketbook," were Roderick Fox, Phil Davis, and Glenn Rhodes.

This problem was given the three students: "The STI Gas Company installs vapor meters at its customers' premises. This enables the company to fill the tank at any time, since the customer is billed from the meter reading and subsequently pays only for the gas which is actually used and not what is stored.

"However, when the company compares the amount of fuel put in the tank, less the amount billed to the customer and remaining in the tank, it is found that the company is apparently losing some product."

"What is causing this loss? Or, where is the fuel going?"

The students show that a real loss may occur to the gas company as the result of what is technically known as the "Joule-Thomson Effect."

They point out that energy is lost when a gas under high pressure is allowed to expand without doing any work. "If this expansion is adiabatic (wherein no heat flows into the expanding gas) the temperature of the gas will fall." This cooling is known as the "Joule-Thompson Effect."

Attention is called in the article to how this effect is realized by most gas companies. To illustrate the loss the students show that the loss to the company on a typical installation using propane to fuel an 80,000-BTU furnace might run more than 1.9 cubic feet per hour on such a customer.

Recommendations are made to help the company reduce this loss, and the paper concludes with the note that "while the effects of atmosphere temperature and expansion-cooling can never be eliminated on a practical basis, it is only wise economics to recognize their existence and to minimize their effects."

Mr. Thomas states that other such research projects are planned and some are already in progress in the Gas Fuel department.

### '59 Graduation

The 1959 graduation exercises will be held at 11:00 A.M. Saturday, June 13, 1959, in the Navy auditorium. All interested persons are cordially invited to attend.



CARL CARTER  
Student Council President

## Electronics Student Heads STI Council

James Carl Carter, an electronics student from Waycross, has been elected president of the Southern Tech Student Council.

In addition to Carter, others chosen at a recent election were Herschel L. White, vice president; and A. L. Rutland, secretary.

Carter graduated from Blackshear High School and served for four years in the U. S. Navy as an aviation electrician. Before entering service he was manager of the Lyric Theater in Waycross.

Since enrolling at Southern Tech he has served on the student council as freshman representative from the Electronics Department. He is a member of Epsilon Pi Chi, was publicity officer in the Radio Club, and works part-time at the Chamblee Post Office. At the time of his enrollment here he was working as a district circulation supervisor for the Jacksonville (Florida) Times-Union.

Carter is married to the former Miss Gail Handley of Waycross. They live with their two sons, Steve and Russell, at 210-D, Tech Lawson Apartments.

### Creates Interest At Local Meet

"I've been coming to these shows for 14 years and all I ever see is stoves, stoves, stoves. This is the first new thing I've seen here in that time."

The speaker was an LP-Gas dealer at the recent Southeastern Liquefied Petroleum Gas Association Trade Show, held at the Biltmore Hotel April 1-3.



W. L. THOMAS  
Head of Gas Fuel

The new thing to which he referred was an exhibit prepared by students in Southern Tech's Gas Fuel Technology department, assisted by Professors Leonard H. Taylor and Weldon L. Thomas.

In explaining the background of the exhibit, Mr. Thomas points out the technical problems and costs involved in large-scale storage of propane gas. In overcoming some of these problems Atlanta Gas Light Company has built refrigerated tanks which use the propane as its own refrigerant, and which cost about 25% of the price of conventional tanks.

STI Gas Fuel students, along with Mr. Thomas and Mr. Taylor, designed and built a working model of these tanks for exhibition during the trade show at the Biltmore. The exhibit proved to be one of the most popular in the whole show and widespread interest was shown by members of the gas industry.

In fact, interest was such that the department has been asked to show the model at the National LP-Gas Association Trade Show in Chicago, May 3-5. Students and staff members of the department are now busy preparing the model for shipment.

Any doubts as to the model's working should be removed in the Chicago exhibition. Since propane would naturally be used to demonstrate its workability, permission of Chicago's fire marshal was obtained to set the model up in the Conrad Hilton Hotel there site of the show.

## Tech Annes To Award PHT Degree To Wives Of Grads

A "Putting Hubby Through" diploma is now available for the wives of STI students. The eligibility requirement for this diploma is that the recipient must be married to the student at the time of his graduation.

The ceremony for the delivering of these diplomas will take place immediately following the regular graduation ceremony, June 13, in the Navy Auditorium. The wives who are unable to receive their diplomas personally, may receive the diploma through the mail. The

price of the diploma is one dollar and payments are to be made at the Cashier's window in the Business Office.

The diplomas are retroactive to the benefit of the wives of graduates who would like to have on in memory of their school years.

These diplomas were created by a committee of the Tech-Annes of one of their yearly projects. They would also like to take this opportunity to thank Prof. E. J. Muller for his assistance in drawing the emblem which is embossed in the center-top of the diplomas.

## A Man's Reach

GEORGE L. CARROLL

One of the automobiles of the early twentieth century was the Stanley Steamer. It is said that no one ever dared to "open 'er up" to see how fast she could really go. The Steamer, in short, never did have to work to the limit of her capability.

Another vehicle which was widely used during the day of the Steamer was the horse-drawn or mule-drawn carriage. Part of the harness which attached the horse or mule to the vehicle was the "holding-back strap." The animal could prevent the vehicle from traveling faster than he was traveling by using the "holding-back strap."

Most people are like the Stanley Steamer—they have more power than they ever use. And they are like the horse or mule, in that they are using the "holding-back strap" instead of extending themselves to the limit of their capabilities.

The Race for Space is a relentless one—with no time out for relaxation. As the Age of Space exerts its pressure more and more upon American civilization, every American will be called upon to use latent powers which he has never needed before. In the day of the Stanley Steamer, many men were able to succeed in life—many even made fortunes—without ever extending themselves.

Today, the swiftly moving, highly competitive world of atomic energy and exploration of space demands the best that a man can

produce. A technician, for example, must be trained in a technical specialty if he is to survive in the Age of Space. A student at Southern Tech is preparing for competition in a rapidly changing world. His technical specialty, however, is not the only phase of his education which is indispensable. He must, as he becomes a technical specialist, somehow find time to educate himself as a citizen of the world and a brother of other men. He must become greater than just a technician.

How does a busy student at Southern Tech manage to find time to become greater than a technician? Many students are like the Stanley Steamer—they are using only part of their capabilities. Most men can achieve things they think are beyond them if they will set their goals a little higher than they think they can reach.

Robert Browning, in one of his poems, said, "A man's reach should exceed his grasp." Reaching for more than he can grasp will make a man achieve everything of which he is capable.

For the Age of Space every technician must extend himself beyond himself. He must seek to become the "super technician," informed about the world and about his responsibilities to the world. And he must discover and call forth all his latent powers to reach his full potential.

No more time out for "coffee breaks!" Let's "open 'er up" and see what she will do!

## I. Q. Question Questioned

(Editor's Note: In the interest of our student body and alumni, the following letter was received in reply to a question from "How's your I. Q., February 23, 1959.")

"A phonograph record is 12 inches in diameter and has 200 grooves per inch. It has a 3-inch diameter space in the middle where there are no grooves and it has a 1/4-inch margin around the outside edge.

Problem: How far will the pick-up arm of the record player move if the record is played from start to finish?"

On this question, appreciation is expressed to Donald E. Groves, E&C graduate of 1956. Don is now with REA, US Department of Agriculture, Washington, D. C. Thanks, Don, for your interest—EDITOR.)

March 18, 1959

Editor  
THE TECHNICIAN  
Southern Technical Institute  
Chamblee, Georgia

Dear Editor:

How well I recall the lasting impression made at STI by professors, for whom I have the highest regard, by deducting 10 points on quizzes for my not properly analyzing a problem, or for "just being off a decimal point." (Example: "But Mr. C., I was only off one decimal point!"—The reply, always the same; "Oh but Mr. G., if I owed you \$10.00, and repaid you but \$1.00 would you object? I would only be off one decimal point!") This is, of course, leading up to a small technicality I should like to point out in the first problem under the "How Is Your I.Q.?" column of the February 23, 1959, edition of THE TECHNICIAN.

The problem reads: "How far will the pick-up arm of the record player move if the record is played from start to finish?" My first point is that the problem can not be solved accurately as stated

since the length of the pick-up arm is not given. I would also like to point out that on a standard record player found in the average home, one end of the pick-up is attached to a pivot such that only the opposite end is essentially free to move. (There are types of pick-ups which are mounted in other ways, but I am assuming the author was referring to the standard home record player.) This being true, the free end or needle end will travel in an arc and the pivot end will remain stationary. I have anticipated that the answer in the March edition will be 4.25" since the length of the arm was not given. If so, this can not possibly be true. The distance the needle end of the arm will travel, will be something greater than 4.25". The following example is given as proof:

(At this point Mr. Groves inserted in his letter two detailed illustrations showing the movement of the arm across the record.

With the diagram and some rather involved calculations which our printer could not reproduce, Groves shows the actual distance traveled by the needle to be 4.301425 inches. His conclusion follows.)

It can now be seen that there would be a difference of 0.051425 inches between AB and the length of segment X.

I enjoyed playing with the problem, keep up the good work.

Yours truly,

Donald E. Groves

## Parking Rules Stressed At STI

**PARKING AREA:** An extra paved parking area near the metal (Butler) building, south east corner of the main campus, has been opened for Southern Tech students. This area will accommodate about one hundred cars. This new parking area will make it pos-

sible to eliminate all parking in the area near Building 9; and, in the area near Building 8 parking will be allowed only next to the banks in front of the building and at the ends of the building. No parking back of Building 8 and between the wings in front of the building will be allowed.

## Alumni Corner

By MILDRED T. WILSON

### James Dewberry Is Speaker At ASEE Annual Meeting

JAMES W. DEWBERRY SPEAKS AT THE 25TH ANNUAL MEETING (Southeastern Section) OF THE AMERICAN SOCIETY FOR ENGINEERING EDUCATION.

JAMES W. DEWBERRY (IND '49) spoke on "The Effect of the Technical Institute of Engineering Manpower" at the 25th annual meeting of the ASEE when it convened at the University of Alabama, Tuscaloosa, Alabama, April 2-3. Dewberry is vice president of the Sophie Mae Candy Corp., Atlanta, Georgia. We understand via the grapevine that you did an excellent job—we're very proud of you.

Letter from alumni: CAREY WALDRIP (ET-E&C, '58) writes he is now employed by Hayes Aircraft, Birmingham, Ala. and enjoying his work very much in the electrical laboratory. So far his duties have been that of certification of test equipment and the testing and certification of various components used in the ground support equipment. Hayes is engaged in the production of ground support equipment for the Atlas and other missiles, as well as the refabricating of military aircraft.

Carey is getting married June 27 to Miss Kay Vernoy of Atlanta.

From Joni Williams Woolf, "BUBBER" WOLF'S "sweetpea," or spouse, writes that it is wonderful to be a civilian again. "Bubber" (ET '55) is now with Armstrong Cork Company in Macon, Ga. Joni says that their five-month old son is pretty like his daddy—Joni said so—not I. Seriously though, they were by recently and he is a very handsome child.

JAMES LEMON (E&C '58) writes from Ft. Lauderdale, Fla. where he is an Electronics Technician with Airpax Products Company. ROBERT L. HUGHEN (ET '57) and RICHARD LITTLE (E&C '58) are also employed by Airpax. EARL W. SMITH (IND '58) likes his job fine. He is with Her Majesty Mfg. Company, Greenville, S. C.

WILLIAM C. HENRY, JR. (H&AC '49) owns and operates Ken View Farms, Kennesaw, Ga. RAY A. JONES (H&AC '56) writes he enjoys The Technician and Alumni Newsletter very much—says it's nice to be able to keep up with the old class mates through the Alumni Corner. Jones is employed by Lockwood-Greene, a firm of engineers in Spartanburg, S. C. He likes his job fine and is doing H&AC system design and mechanical drafting. Says all of his courses at STI have been very useful in his work and that they have given him a good foundation on which to building the new designs and trends that are constantly being introduced into this field.

He also says he didn't know the world was changing so fast until he started trying to keep up with it. He sends congratulations on our new school proposal and says he feels sure all the alumni are as

thrilled about it as he is. He hopes to see everyone at the annual alumni banquet in November this year.

JOEL REECE (E&C '58) likes his job with Superior Cable Corp., Hickory, N. C., fine. At the present time Reece is in the process of learning a few basic principles about cables and their design.

FRANK CLOUD (H&AC '58) called to say how much he enjoys The Technician. Frank is employed by Newcomb and Boyd, Engineers, here in Atlanta.

HOLTON R. HARDERS (Civil '57) writes Mr. Holladay that the news that Southern Tech is growing and progressing is very good to hear. He says that his stay at STI in the Civil Department was not only educational and enjoyable, but very beneficial to him in his work—that he does not know where he could have received a more well-rounded technical education for the time spent than he did at STI. He has used everything he studied at STI at one time or another. Harders is with the Harders' Group, three general contracting firms, Panama City, Fla. He does a little bit of everything—from job estimating to work on the projects in the field. The Harders' Group does everything from building construction to marine work.

EARL GANDY (MECH '58) is now in the army and is stationed at Ft. Jackson, S. C. E. YEAGER, JR. (BC '57) writes that he too enjoys reading The Technician and Alumni Newsletter very much. Yeager is employed by the Alabama Power Company.

BILL OWENS (IND '59) writes to let me know how much he misses everyone at STI and that it certainly feels strange not going to school. He says that he is enjoying his job and it is even more pleasing that he expected it to be. Says that all the STI alumni with Saco-Lowell Shops, Greenville, S. C. seem to be doing well. Bill, why not give some thought to an STI Alumni Chapter in Greenville?

GEORGE T. LARSON (MECH '56), Application Engineer with Minneapolis-Honeywell Regulator Co., Greenville, S. C. wants to know how to get on the alumni mailing list. George, just send in your two bucks—dues are payable on July 1 of each year. By sending in now we'll give you April, May, and June free.

BILLY POTTER (MECH '57) has married since leaving school. He married the former Miss Billie Talley of Chickamauga, Tennessee. Billy is now in the Army.

MACK STEED (IND '58) is



now employed at the H. W. Lay Company, Chamblee, Ga. I have talked with Steed several times lately.

LAMAR MOORE (E&C '58) writes the Cherry Blossom Festival is now underway in Washington, D. C. and that the area is flooded with tourists. Lamar invites if any of us from STI who happen to be among the thousands of tourists that come in to the D. C. area daily, to drop by REA, Dept. of Agriculture, and chat with a few of "Us rebels" (alumni of STI).

A letter from YOG RAJ SEHGAL (ET'57), an alumnus from India, lets us know that he would like very much to visit Southern Tech—and plans to when time will permit. Yog is now a student at the University of Alabama. Yog says he too enjoys The Technician as it helps him keep in touch with the school. DON S. AASER (H&AC'54) is now a Mechanical Engineer with Johnson City Sheet Metal Works, Johnson City, Tennessee. Aaser contributes the major share of his success to knowledge acquired while at STI. Listen to this—he says "I shall never forget the wonderful time my wife and I had at the alumni dinner last November. It was my first, and I might add that I shall make every effort to attend the future alumni dinner meetings." Don says there is a great need for technicians in the Tennessee area and he hopes more STI grads will take advantage of the opportunity in that area.

An extra note: Some of you old timers remember Frank J. Johnson who at one time was head of the Industrial Department here at STI—Mr. Johnson is now manager of production engineering design analysis for Lockheed Aircraft's Georgia Division, Marietta, Georgia. He recently was named "the outstanding Industrial Engineer in the Southeast" by the American Institute of Industrial Engineers, Inc. He will be installed as president of the institute at the 10th annual national conference to be held here May 14-16.

Passers-by:

HAROLD CARMICHAEL (IND '57), Hayes Aircraft Corp., Birmingham, Ala. LARRY DEWBERRY (E&C'56), student at Georgia Tech. FREDDIE FAIN (Mech'56), E. V. Camp Steel Works, Decatur, Ga. JACK McWILLIAMS (IND '58), M. & H. Industrial Equipment Co., Jacksonville, Fla. L. P. "Slim" GREER (H&AC'57), is one of about a dozen STI alumni now employed at the Newport News Shipbuilding and Dry Dock Company, Newport News, Virginia.

## The Technician

Published monthly by the students of The Southern Technical Institute, Chamblee, Georgia

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## Industrial Grads Prepared For Managerial Jobs

(Continued from Page 1)  
study are arranged. The fine financial status of this club attests to the students' ability to put the management talents they have studied into operation.

The curriculum of the Industrial Department has probably changed more than that of any other department on the campus, and it is still being changed every year. This should be expected because the fields of scientific management and industrial engineering, which the Industrial offering parallels, are relatively new fields and are themselves changing. Also part of the changes have been made to fit the curriculum better to the direct needs of the industries for which the graduates will work.

The job opportunities of Industrial Technology graduates are very good. Not only do the graduates have a wide variety of types of work to choose from, but their chances for promotion in the company of their choice are very good. For example, one company who has hired twenty Industrial graduates has them working in eleven entirely different departments. Furthermore, eighty per cent of these men are in salaried or supervisory positions.

Industrial Technology graduates are now holding positions in cost control, production control, personnel, safety, sales, plant layout, time study, methods improvement, job evaluation, quality control, purchasing, personnel training, management selection, and wage incentives. At least two companies have Industrial Technology graduates as their presidents, while a majority of the companies who have hired Industrial graduates have moved some of them into responsible positions of leadership.

## Tech Annes Elect Spring Officers

The Tech Annes met Thursday evening, April 9, in the Green Room. President Ann Long called the meeting to order. New officers were elected by the members of the club. The officers were as follows:

President, Ruth Newman; 1st vice president, Connie Lokey; 2nd vice president, Nancy Poulsen; recording secretary, Jo Bannister; corresponding secretary, Mary Mixon; publicity, Sandra Boyd; treasurer, Mona Faye Williams. Mrs. L. H. Taylor was chosen as the new sponsor.

The Tech Annes also made plans for their annual banquet, which will be held on May 23, at the Naval Air Station, seven o'clock in the evening. The banquet will be semiformal and will be \$3.15 per couple.

Get acquainted games were also played at the meeting.

## ASTE Informed Of Job Openings

The ASTE at the Flamingo Restaurant on the night of Tuesday, April 14, and, in addition to eating all the fried chicken and french fries they could hold, they elected a new slate of officers and heard a very interesting talk given by Mr. T. J. Williams, Regional Representative of Bureau of Employment Security and United States Department of Labor. Mr. Williams spoke about the job opportunities available to technicians and engineers.

The men elected as new officers are: Joe Fishback, chairman; C. E. Banister, first vice chairman; W. F. Slappy, second vice chairman; George M. Jackson, secretary; and Bobby Miller as treasurer.

The May meeting of the ASTE will be a barbecue at the residence of Mr. Cuba, the club's faculty advisor. At the May meeting, the new officers will be installed.

## Banquet Held By Tau Alpha Pi

The society's Alpha Alpha chapter held its quarterly banquet at the Flamingo Restaurant in Northwoods Shopping Center on the evening of March 10. Mr. William Hurst of the physics department presented an informative and interesting speech on the motions of the earth.

New officers were elected at the meeting preceding the banquet and initiation. These officers included: Mr. Alan C. Ivemeyer, president; Mr. Lawrence B. Lindahl, vice president; Mr. John D. Wright, secretary-treasurer; Mr. Randal G. Harden, public relations officer.

New projects scheduled for introduction and consideration this quarter include a motion to set minimum requirements for remaining in the society as an active member.

## McCoy Elected President Of EPI Xi

At the last meeting of the Epsilon Pi Chi officers were elected for this quarter. They are Sam McCoy, president; Charlie Jaynes, vice-president; Jack Austin, secretary; Richard Benton, pledge master, and Jerry Stone, historian.

Fun was had by all at the fraternal dance held at the Clairmont Women's Club last month. Music was furnished by Ray Anthony (courtesy of Jack Austin's Hi Fi).

An outside party of some type, possibly a luau is being planned for the last of May.

All electrical department members are invited to join Epsilon Pi Chi. Anyone interested in pledging please come to the clubroom in Building 12.

# CLUB NOTES

## SAM And Iota Tau Hold Gettogether

Last quarter's activities were highlighted by a joint dinner meeting with SAM.

Guest speaker Mr. Felts presented a very interesting talk on industrial finance.

Spring quarter activities began with the election of officers. Elected to serve were: Pete White, president; Graham Lightsey, vice president; Rhett Glover, secretary; and Steve Blihovde, treasurer.

Plans for the present quarter include our annual Senior Banquet and a swimming party at Silver Lake.

If you are an industrial student and would like to be part of a progressive organization, be present at the next Iota Tau meeting.

## A Society for Better Students

The Society for the Advancement of Management is a recognized national professional organization of management in industry.

The STI student chapter, after being instrumental in the development of the reading room on the campus, is looking forward to an activated program schedule in the spring quarter.

SAM is a campus-wide club and needs the support of the good men of all departments. If you have a 2.25 average and a desire to better your association with the functions of the business world, you should make it your goal to be a SAM member.

## Membership Urged By Toastmasters

Why wait? This may be your last opportunity to join the STI student chapter of Toastmasters International. There are openings for only six additional members. Members, keep in mind the officer training session to be held at the Peachtree Elks Club, 736 Peachtree Road (near Howell House Apts.), 7:30 P.M., April 14; all members are urged to attend. The club social has been planned for May (date to be announced later).

**PARKING DECALS:** The penalty for bringing an unregistered car on the campus, this means the dorm area also, is \$5.00 for the first offense. If your car which is registered should break down, making it necessary for you to drive an unregistered car to school, park that car off of the campus, on the south side of 6th Street, on the east side of Hardee north of the residences which are on the east side of the street, or see the Dean of Students for a temporary parking permit. The penalty for dormitory students parking on the main campus between 8:00 A.M. and 4:00 P.M. is \$2.00

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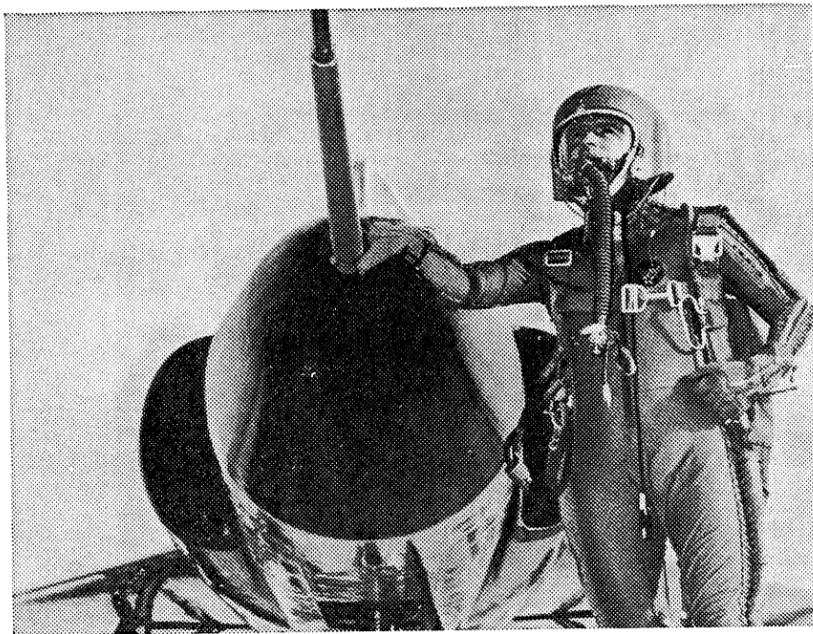
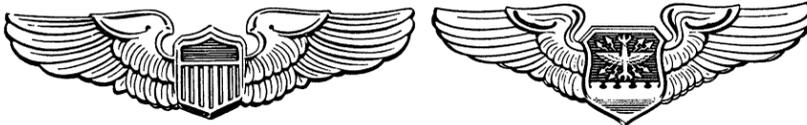
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## GRADUATE THEN FLY

U. S. AIR FORCE AVIATION CADET PROGRAM

# Hornet Bats Swing For 3 Victories

## Georgia Military College Defeated By A 7-2 Score

Backing the three hit pitching of Carroll Shirley and Dave Johnson with ten hits, Southern Tech topped Georgia Military College with a score of 7 to 2. Johnson led the hitters with a home run, triple, and single in four trips to the

Southern Tech was defeated 16 to 6 by ABAC in the first game of the season. Dave Horseman led the farm hands with 3 hits including a triple and home run. Johnny Walton rapped out a double and 2 singles to lead the Hornets. Rex Sumner, Carroll Shirley, and Alan Ivenmeyer handled the mound chores for Southern Tech.

STI	AB	R	H
Johnson	3	2	1
Pinkard	3	1	1
Levy	5	0	1
Walton	5	0	3
Mathis	3	0	0
Melton	4	0	0
Abbey	3	0	0
Long	1	1	0
Tyler	3	0	0
Sumner	1	0	0
Shirley	2	0	0
Ivenmeyer	0	0	0
Jones	1	1	1

plate. Levy added two doubles. Pinkard and Mathis made outstanding catches of fly balls.

STI	AB	R	H
Johnson	4	2	3
Mathis	3	1	0
Lyles	3	1	0
Melton	5	1	1
Tyler	4	0	1
Pinkard	3	0	1
Harden	3	1	0
Levy	4	0	2
Shirley	2	0	1
Forehand	2	1	1
Total	33	7	10

G. M. C.	AB	R	H
Littleton	3	0	2
Sims	4	0	0
Fitzlerd	3	1	0
Baynham	2	0	0
Moore	4	0	0
Stone	3	0	0
Pennington	0	0	0
McDavid	4	0	1
Browne	2	1	0
Blanton	1	0	0
Parrish	0	0	0
Walton	1	0	0
Turner	0	0	0
Total	27	2	3

## Georgia SW Handed First Regular Season Defeat In Two Years, 4-3

The Hornets handed Ga. Southwestern their first defeat in regular season play in the last two years by scoring a 4 to 3 decision at the Dust Bowl. Lyles, Levy and Melton had one double and one single apiece while Dave Johnson added a double.

Sherman Forehand threw a neat 5 hitter while striking out six and issuing six free passes. The tying and winning runs were scored in the bottom of the eighth when Lyles, opened with a double to left. Pinkard grounded to the third baseman then Levy lashed a single to centerfield. Bobby Mathis was robbed of a hit by

southwesterns' shortstop Beck. Don Melton came through with a double to score Lyles and Levy. Melton was tagged out trying to make home on a single by Harden but the damage had already been done.

STI	AB	R	H
Johnson	4	0	1
Lyles	4	2	2
Pinkard	3	0	0
Levy	4	2	2
Mathis	3	0	1
Melton	4	0	2
Harden	4	0	2
Tyler	3	0	0
Forehand	3	0	1
Total	32	4	11

### GEORGIA SOUTHWESTERN WINS IN TENTH INNING

STI lost an 8 to 7 decision in the bottom of the 10th inning. Wayne Lyles paced the hitting attack with two softies. The Hornets had rallied from a five run deficit in the 7th inning.

STI	AB	R	H
Johnson	4	1	0
Pinkard	2	2	0
Lyles	5	1	2
Levy	5	0	1
Melton	5	1	1
Hardin	3	1	1
Tyler	5	0	1
Roberts	3	0	0
Forehand	2	1	1
Beckham	1	0	0
Saturday	2	0	0
Shirley	2	0	0
Total	39	7	7

### BREWTON PARKER DEFEATS STI 4 TO 1

Carroll Shirley pitched good ball and was backed with good fielding but Wayne Lyles was the only Hornet able to solve pitcher Tracy Rivers' offerings, as he had 2 for 4. Richard Tyler also reached Rivers for a base hit.

STI	AB	R	H
Johnson	2	0	0
Pinkard	4	0	0
Lyles	4	0	2
Melton	3	0	0
Levy	4	0	0
Hardin	3	1	0
Mathis	3	0	0
Tyler	4	0	1
Shirley	3	0	0
Forehand	1	0	0
Total	31	1	3

All matches will be played at the North Fulton Golf Course and must be completed by the date shown above each bracket. The pairings are posted on the bulletin board by Coach Lockhart's office in Building 24.

## John Marshall Law Falls In One-Sided 28-2 Barrage

Hits were numerous and runs were plentiful at the Dust Bowl as the long-silent bats of the Hornets suddenly exploded for 17 hits and 28 runs to down John Marshall Law School, 28-2.

Every regular hit safely. Catcher Richard Tyler led the onslaught with 2 singles and a double in five trips. These were good for five RBI's. Levy also garnered these hits.

As potent as it was, the heavy stickwood did not overshadow the four-hit pitching of Randy Harden, who was the winner. Rex Sumners and Wayne Peacock also shared the pitching honors.

The defense backed them up with errorless play, sparked by second baseman Wayne Lyle.

This victory served as quite a morale builder, coming as it did just prior to a three game road trip.

### SOUTHERN TECH-NORMAN PARK TIE

The Hornets played to an eleven inning tie with Norman Park. The finish of this game will be played off later in the season.

STI	AB	R	H
Johnson	6	0	1
Pinkard	6	0	0
Forehand	6	1	2
Levy	6	1	1
Hardin	5	1	2
Melton	5	1	3
Tyler	5	2	0
Peacock	5	1	2
Roberts	4	1	0
Total	48	8	11

## Student Faculty Golf Is Tournament Of The Month

The Student Faculty Golf Tournament will be held April 25, May 2, May 9, and the final on May 16.

The following will enter the tournament: G. Lawson, R. L.

Stephens, E. L. Reese, G. L. Wil-  
lingham, J. B. Conn, C. A. Arnt-  
son, B. C. Hildress, D. Powell, J.  
R. Nichols, H. V. Smith, H. Lock-  
hart, S. P. Gilliam, R. Rutland, P.  
White and B. Myatt.

# Do You Think for Yourself? (THESE QUESTIONS CAN TELL YOU A LOT ABOUT YOURSELF!\*)



1. When you feel that certain fads are foolish do you talk against them?

YES  NO



5. Do you prefer a salesman who is anxious to make a quick sale to one who will patiently answer all your questions about the product?

YES  NO



2. Do gadgets such as new cigarette lighters often intrigue you so you want to take them apart?

YES  NO



6. When arriving late for a party, are you inclined to join a group of close friends rather than attempting to strike up new acquaintances?

YES  NO



3. Do you think that political candidates should write their own speeches instead of using a "ghost writer"?

YES  NO



7. If you met somebody with a beard, would you tend to consider him "off-beat" and treat him with reserve?

YES  NO



4. Given the choice, would you prefer having an apartment of your own to living at home with your parents?

YES  NO



8. Are you normally reluctant to go on a "blind date"?

YES  NO

9. Do you base your choice of a cigarette on what people tell you rather than doing your own thinking?

YES  NO

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\*If you have answered "YES" to three out of the first four questions and "NO" to four out of the last five . . . you really think for yourself!

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## C. R. Orvold Gets Landscape License

Mr. C. R. Orvold, head of Southern Technical Institute's Building Construction department, isn't satisfied knowing the inside outside, roof, and foundation of buildings—he wants to be familiar with the grounds surrounding them as well.

By license number 264, Mr. Orvold this month became a Landscape Architect.

He points out that the work of a landscape architect includes layout and site planning, plot plans, subdivision design, first (or rough) drawings for customers and builders, and such varied projects as finding a place to park.

In addition to Mr. Orvold's shingle, there hangs yet others in the Building Construction department—that of faculty members Albert O. Ordway, a licensed architect; and W. W. Vaughn, a licensed structural engineer.

## To Student Body:

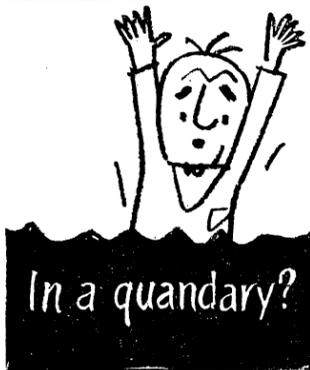
We take this opportunity to reaffirm our determination to assist the students in any way possible. You will find many school activities such as: varsity and intramural sports, departmental clubs, and school wide organizations which will make your stay here much more enjoyable. So join the clubs of your choice and be active in all student activities.

One of our major problems, campus parking, has finally been solved by the addition of the new parking area. Let's not, by all means, forget that there are many problems still confronting us around the campus—namely, the parking and telephone situation at our dormitories. Let's get on the ball and do something about them.

There will be a suggestion box placed in the lobby near Coach Lockhart's office. With your help and co-operation, we can solve these problems.

The remaining years at our present campus can be bettered. It's up to everyone; let's do our part.

Respectfully  
John T. Hill,  
Pres. Freshman Class  
Harry Beecham,  
V-Pres. Freshman Class



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## Article In 'School Shop' Tells Technician's Role

"There are many opportunities for slips between the architect's ideas and a home or building ready for occupancy. Since slips are expensive, somebody must minimize the errors—somebody must make certain the home owner or building owner gets his money's worth of safe, long-lasting structure."

This "Somebody," as you may have guessed, is the building technician. The story of how Southern Tech's building—tech graduates and other technicians have been giving Southern industry its "money's worth" for the past eleven years is told in the April issue of *School Shop* magazine by Mr. Robert Hays, STI associate professor and head of the English department.

Mr. Hays' article, "Building Technicians: Liasion Men in Construction," points out that at Southern Tech "... C. R. 'Chet' Orvold is training building construction technicians, the 'somebodies' who will turn architects' plans into buildings. Chet is associate professor and head of the Building Construction Technology Department . . . and Southern Tech, so far the South's only accredited technical institute, is an important source of building construction technicians."

While primarily aimed in the direction of the building-construction field, the article goes on to give a good over-all view of the school's operation and its one-decade, event-filled history.

Mr. Hays points out that Southern Tech students in all fields are given basic courses in math, English, physics, drawing, and human relations, "the applied industrial psychology of getting along with people and supervising them on their jobs."

He states, "These are the kinds of college courses that help make technicians educated men and women, people capable of advancing to more responsible work."

Attention is also drawn to STI's curriculum of practical and theoretical courses in its eleven fields of study. The author points out



R. W. HAYS  
Head of English Department

that these courses enable the school's products—its graduates—to "earn their pay" in a comparatively short time.

In reviewing the work load carried by the typical technical institute student, Mr. Hays makes one statement that will find few challengers among the Southern Tech student body: "Students must stay busy to pass the difficult courses and carry the demanding schedule." But he further explains that part of their success in doing this may be attributed to high entrance requirements and the background necessary for admission.

The article closes with a look to the future of the technical institute educational field. "New programs develop strictly on the basis of industrial need. The entire success of the technical institute depends upon industrial need; a program must have customers—industrial employment managers—ready to buy its products: the graduates."

"In the case of building construction technology, the future seems assured. Chet Orvold . . . expects to be in the technical-institute phase of education for years to come. Building, which provides one of life's three necessities, will certainly provide a long-term market for graduates."

The *School Shop* magazine is circulated nationally and is distributed widely to teachers of industrial education. Mr. Hays' article is another big step in telling the nation—teachers, students, and industrialists—the STI story.

## English Professors Show Chaucer At Home In Age Of The Sputnik

Two Georgia college professors have proved that Geoffrey Chaucer, fourteenth-century poet, would be more at home in the Sputnik age than many quiz contestants. Raymond Allen Cook and Robert Hays, both associate professors in Georgia's university system, have shown that Chaucer knew his way around the sky long before the days of Copernicus, Galileo, or the telescope.

Dr. Cook, Associate Professor of English at Georgia State College, and Mr. Hays, Associate Professor of English at Southern Technical Institute, have prepared a paper entitled "The Modernity of Chaucer's Astrolabe." The Astrolabe is an unfamiliar prose writing by the author of the world-famous *Canterbury Tales*.

The *Treatise on the Astrolabe* shows that Chaucer was more intimately acquainted with the details of celestial motion than are many modern students of astronomy.

As Cook and Hays point out, Chaucer was limited by his belief in Ptolemaic astronomy, that is that the earth was the center of the universe. Nevertheless, the poet's basic assumptions, written before 1400, are still used in modern astronomy and navigation. According to Cook and Hays, Chaucer knew much more about astronomy than literary experts have suspected.

The two professors prepared the paper for the Foreign Language Conference, to be sponsored by the University of Kentucky in Lexington, April 23 through 25. Cook will deliver the paper before the Medieval Section of the conference.

Wartime experience as navigators equipped the two English professors to unravel the obscure scientific references in Chaucer's treatise. Cook served during World War II as a pilot-navigator on Navy blimps, and Hays was a navigator aboard an amphibious assault craft.

## H. A. Troemel, Accepts Position

Hans A. Troemel, who graduated from Southern Tech in March, 1959, has joined the Civil Department as a part-time instructor.

Mr. Troemel is teaching two Civil courses and two laboratory classes.

Having lived in Atlanta all of his life, he is a graduate of Murphy High School.

He attended Georgia Tech from the fall of 1956 through the summer of 1957 before enrolling at STI in the fall of 1957.

Mr. Troemel states that he hopes to again enroll at Georgia Tech in the fall quarter and continue his studies there while teaching here.

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## Honor Roll—Winter, 1959

Name	Course	Hours Carried	Honor Points	Point Average
Beasley, Lamar D.	Civil	19	61	3.21
Ben-Moshe, Itzhak	GF	17	62	3.64
Bennett, Donald S.	ET	20	71	3.55
Berrell, Patrick D.	Civil	19	67	3.52
Blalock, James F.	E&C	15	48	3.20
Bloser, Barrie Lee	Ind. & Mech.	19	62	3.26
Blythe, Roger E.	E&C	18	60	3.33
Carpenter, James C.	Ind. (Mgt. Option)	16	55	3.43
Cawthon, Horace L.	E&C	21	66	3.14
Chaney, Raymond E.	Ind.	20	60	3.00
Cowart, R. Norman	BC	16	54	3.37
Crout, Thomas S.	BC	20	60	3.00
Davidson, Harry G.	E&C	19	59	3.10
DeLoach, Norman B.	Civil	20	71	3.55
DeLong, Charles R.	E&C	20	60	3.00
DeVenny, Jerry W.	E&C	19	64	3.36
Dooley, James A.	E&C	21	66	3.14
Elliott, Thomas J.	BC	20	68	3.40
Evans, Alan C.	E&C	18	54	3.00
Evans, Samuel C.	Civil	19	57	3.00
Fishback, Alton	Mech	19	59	3.10
Fleming, Narve M.	E&C	21	84	4.00
Foust, Joyce Joshua	E&C	19	59	3.10
Garrett, J. A.	BC	15	54	3.60
Geiger, Lewyn E.	BC	18	63	3.50
George, Charles M.	E&C	16	51	3.18
Gilliam, Samuel P.	BC	18	58	3.22
Haley, George W.	E&C	20	60	3.00
Hannon, Miles H.	Civil	21	75	3.57
Hartley, Donald G.	BC & Civil	21	65	3.09
Heath, William P.	E&C	16	55	3.43
Hester, R. F.	BC	20	64	3.20
Higgins, Jerry R.	E&C	21	84	4.00
Hinson, Joseph W.	E&C	17	55	3.23
Hitt, Marion J.	BC	20	65	3.25
Holcombe, Metz J.	ET	16	51	3.18
Ivemeyer, Allan C.	BC	20	61	3.05
Jacobs, Charles G.	E&C	21	63	3.00
Jeffries, Joseph H.	ET	19	67	3.52
Keith, Roy H.	E&C	20	66	3.30
Lightsey, Graham	Ind.	18	58	3.22
Lipsey, Gary L.	ET (Power Option)	20	63	3.15
MacDonald, James M.	Civil	20	66	3.30
Mauldin, Aaron	H&AC	21	63	3.00
Mizell, H. B., Jr.	E&C	21	63	3.00
Morris, Emory L.	ET	20	68	3.40
Mustin, Richard C.	Textile	21	73	3.47
Nation, R. Alvin	Mech	21	63	3.00
Newman, William S. III	BC	19	73	3.84
Newsom, Robert L.	ET (Tel. Option)	17	51	3.00
Nichols, James R.	H&AC	19	66	3.47
Ogletree, Vernon A.	BC	17	57	3.35
Peacock, Lowell W.	ET	20	74	3.70
Pitts, Billy W.	E&C	21	63	3.00
Poulsen, Alan D.	BC	15	45	3.00
Priester, Kenton C.	Civil	20	66	3.30
Roescher, Waldo	H&AC	19	69	3.63
Rose, Wayne O.	H&AC	19	69	3.63
Schinzal, Ronald D.	Civil	17	52	3.05
Shirley, C. M.	Mech	16	58	3.62
Stewart, Harold B.	Mech	15	58	3.86
Thomas, Carl D.	BC	16	49	3.06
Thompson, Gerald L.	E&C	19	57	3.00
Torbert, Gerald W.	Civil	18	54	3.00
Trimyer, Robert E.	ET	16	53	3.31
Wallace, S. A.	GF	20	64	3.20
Ward, Sidney M.	ET	19	64	3.36
Weatherford, Kenneth	Ind	20	72	3.60
Welchel, Thomas F.	E&C	18	54	3.00
Whitaker, Jimmy L.	E&C	18	57	3.16
Willingham, Gary	Mech	19	59	3.10
Wright, John D.	Civil	20	80	4.00
Wynn, William M.	E&C	21	75	3.57

Name	Course	Hours Carried	Honor Points	Point Average
Ayers, Jerry B.	Civil	19	57	3.00
Cox, Buddy	E&C	17	54	3.17
Deffenbaugh, Daniel	BC	19	67	3.52
George, Clarence E.	ET	19	76	4.00
Hammond, R. T.	Ind.	17	51	3.00
McDonald, James A.	Mech	17	63	3.70
Mitchell, William S.	ET	22	86	3.90
Mobley, Belvie I.	E&C	20	63	3.15
Patton, Joe D.	Civil	16	49	3.06
Randall, James A.	Ind. & Mgmt.	15	45	3.00
Roberson, G. K.	E&C	23	73	3.17
Thompson, Hubert E.	BC	20	65	3.25
Vickers, Thomas E.	ET	22	73	3.31
Wolfe, Robert L., Jr.	E&C	23	86	3.73

### Requirements:

1. No failures
2. No conduct offenses
3. At least 15 credit hours of work
4. At least a 3.00 average

Any errors will be corrected gladly by the Registrar.

## Blair And Hutcheson Get NSF Summer Study Grants

Two Southern Tech professors have been selected for advanced research and study projects by the National Science Foundation, it was announced here recently.

The two are Marion E. Blair and Kermit Hutcheson. They will participate in projects at the University of Denver and Duke University.

Hutcheson, assistant professor of mathematics, has been selected for advanced computer study at Duke. He will attend computer programming courses there from June 13 through July 27. Previously Hutcheson has worked with IBM computers at Lockheed Aircraft Corporation.

A member of the Southern Tech faculty for four years, he holds the master of science degree in mathematics from the University of Miami (Florida). He attended Berry Schools in Rome and received his BS from Georgia Teachers College in Collegeboro.

Mr. Hutcheson was born and reared in Wrightsville, Ga., and graduated from Adrian High School.

He and his wife, the former Gwen Norris of Clarkston, live on Hardee Avenue in Chamblee. The Hutchesons have three children.

Mr. Blair, assistant professor of English at Southern Tech, has been appointed to the Summer Research Institute at the University



MARION E. BLAIR KERMIT HUTCHESON

of Denver, College of Engineering. The project on which he will work is audio multi input, audio amplification systems.

An educator for most of his adult life, Mr. Blair was in STI's ET department before joining the English faculty.

A native of Maryville, Tenn., Mr. Blair received his bachelor of arts degree in English from Maryville College.

In addition he studied at the University of Tennessee School of Engineering and at Duke University.

In the Air Force during World War II, he was an instructor in aircraft radio, electronics, and radar. In the ET department he taught basic electronics, telephony and illumination.

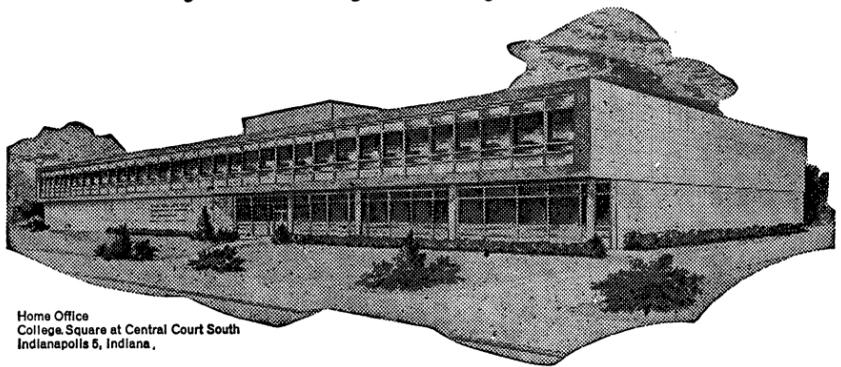
Mr. Blair is married to the former Bernice Cathcart, also of Maryville. They have two children, Stephen 7, and Kathy, 5. They live on Hickory Road in Chamblee.

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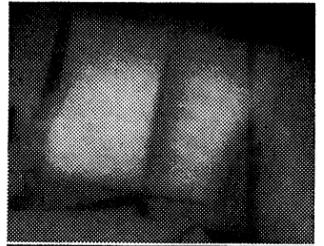
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